

Date: Sun, 12 Dec 93 06:12:54 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #1454
To: Info-Hams

Info-Hams Digest Sun, 12 Dec 93 Volume 93 : Issue 1454

Today's Topics:

 Kenwood ts-820 questions
 Life is too short WITH 2 KW!!!!
 Pasadena CA Special Event Station
 Scratchi, January, 1960
 Weekly Solar Terrestrial Forecast & Review for 10 December

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Sat, 11 Dec 1993 06:57:06 GMT
From: news.service.uci.edu!cerritos.edu!news.Arizona.EDU!math.arizona.edu!noao!
asuvax!gatech!swrinde!cs.utexas.edu!@network.ucsd.edu
Subject: Kenwood ts-820 questions
To: info-hams@ucsd.edu

HI, I have several questions regarding my Kenwood TS-820 (with
digital display) I am hoping you can all help me with this...

First, I am looking for some accesories. I don't have lots of money
so trades would be nice however I can supply cash if required..

 I am looking for the following: External VF0, 2 meter transverter
 and dc power adaptor. If you have any of these and want to
 get rid of them please let me know.

I would also like to know where to get replacement output tubes for
this radio. Considering its age, I figure it would be a good idea to

get a few while the getting is good. What type of tubes does this radio use? What brand/type would make the best replacement?

Now for some tech stuff..

I would like to know how to control the power output of the radio during voice transmission. I know how to on CW (Just reduce car) but I don't know the proper way to do this on voice.

My radio does not seem to put out its full rated 200 watts. Any ideas on this or any way to test it. It is possible that my MFJ deluxe versa tuner II power meter may be inaccurate. I have been told not to trust the readings on these meters.

I have a Cmos super keyer II which is NOT compatible with the negative switching on the Kenwood. For any of you that have this problem, I have found a simple fix, here it is.

1. remove the phono plug from the end of your keyer cable.
2. Reverse the wires, soldering the original center wire to the outer connector of the plug.
3. To the center plug insert a resistor whose value is high enough to reduce the voltage presented to the keyer terminals (use a VOM and voltage divider equation) I used the highest possible value that still allowed the keyer to make the radio transmit.
4. Solder the remaining wire to the other end of this resistor.
5. Attach a diode across the terminals. This protects the keyer transistor from any potential spikes from the transmitter. (got this from the Art of Electronics)
6. That's all there is to it. I placed the resistor and diode right in the case for the phono plug. Use some heat shrink for short protection.

This seems to work fine and has not melted my keyer yet. If anyone has any comments on this or improvements please let me know.

Finally, I would like to build a field strength meter. I was thinking that an opamp based circuit would be ideal for this. If anyone can help me with this I would appreciate it. I know I could buy one cheaply, but I would like to build my own.

Thanks in advance for any comments or suggestions. Please email your

answers to lvin@cosmic.physics.utah.edu

I will summarize all responses.

Thanks again

Chris (KB7YOU)

Date: 9 Dec 93 18:44:18 GMT
From: pravda.sdsc.edu!usc!elroy.jpl.nasa.gov!swrinde!sgiblab!rtech!ingres!
kerry@network.ucsd.edu
Subject: Life is too short WITH 2 KW!!!!
To: info-hams@ucsd.edu

In article <2e55g6\$no3@news.acns.nwu.edu> lapin@casbah.acns.nwu.edu (Gregory
Lapin) writes:

>Do QRP operators live longer than QRO operators?

>

>What ever happened to that other stimulating thread ;)

>

:-) As long as the lights don't dim (too much) when you key the transmitter,
:-) aren't you operating QRP?

Date: Wed, 8 Dec 1993 20:46:11 GMT
From: nntp.ucsb.edu!library.ucla.edu!agate!howland.reston.ans.net!math.ohio-
state.edu!usc!nic.csu.net!csun.edu!VFOA0007%VAX.CSUN.EDU@network.ucsd.edu
Subject: Pasadena CA Special Event Station
To: info-hams@ucsd.edu

On Sunday, 12 December 1993, the Pasadena Radio Club will field a special
event station to celebrate the rebuilding of the beautiful 80 year old
Colorado Street Bridge over the Arroyo Seco just south of the Rose Bowl.

The station will be active from 10:00 a.m. PST (1800 UTC) to 4:00 p.m. PST
(2400 UTC) on three bands:

21.335 MHz (+/-)

14.260 MHz (+/-)

147.150 MHz repeater (W6VIO) (+600 KHz, PL 131.8)

For a souvenir certificate, send a QSL and \$1 to

W6KA
Post Office Box 282
Altadena CA 91003

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+-----+
| Michael Reagan    KK6W0                Circulation Unit Coordinator |
| MReagan@vax.csun.edu                Oviatt Library /OLIB          |
| (818) 885-2274                California State University          |
| fax (818) 885-2676                Northridge CA 91328-1289         |
| packet KK6W0@W6VIO.#SOCA.CA.USA.NA                                         |
| --... --... --... de gustibus non est disputandum --... --... --... |
+-----+
```

Date: Fri, 10 Dec 1993 15:59:35 GMT
From: ucsnews!sol.ctr.columbia.edu!howland.reston.ans.net!math.ohio-state.edu!
sdd.hp.com!hpscit.sc.hp.com!hplextra!hplb!hpwin052!hpqmoea!dstock@network.ucsd.edu
Subject: Scratchi, January, 1960
To: info-hams@ucsd.edu

I ENJOYED reading Myron's posting.

Scratchi was previously totally unknown to me, so I just read what was there.

I interpreted it as a commentary on the different interests and viewpoints of different generations. It said that two different generations do not understand each other, and can fail to predict this. It did not seem to attack either generation.

I thought there was a strong element of lampooning old fashioned stereotype characterisation.

Perhaps Myron's parody is a little too subtle for everyone to recognise it ? Even if he now states his intent, no matter what that intent was, not everyone will believe him. We will never know with certainty.

Foreigners and children have the ability to see things, and ask questions that are too fundamental for others to notice (or dare)

Cheers

David GM4ZNX

J = Major Storm, and S = Severe Storm.

CUMULATIVE GRAPHICAL CHART OF THE 10.7 CM SOLAR RADIO FLUX

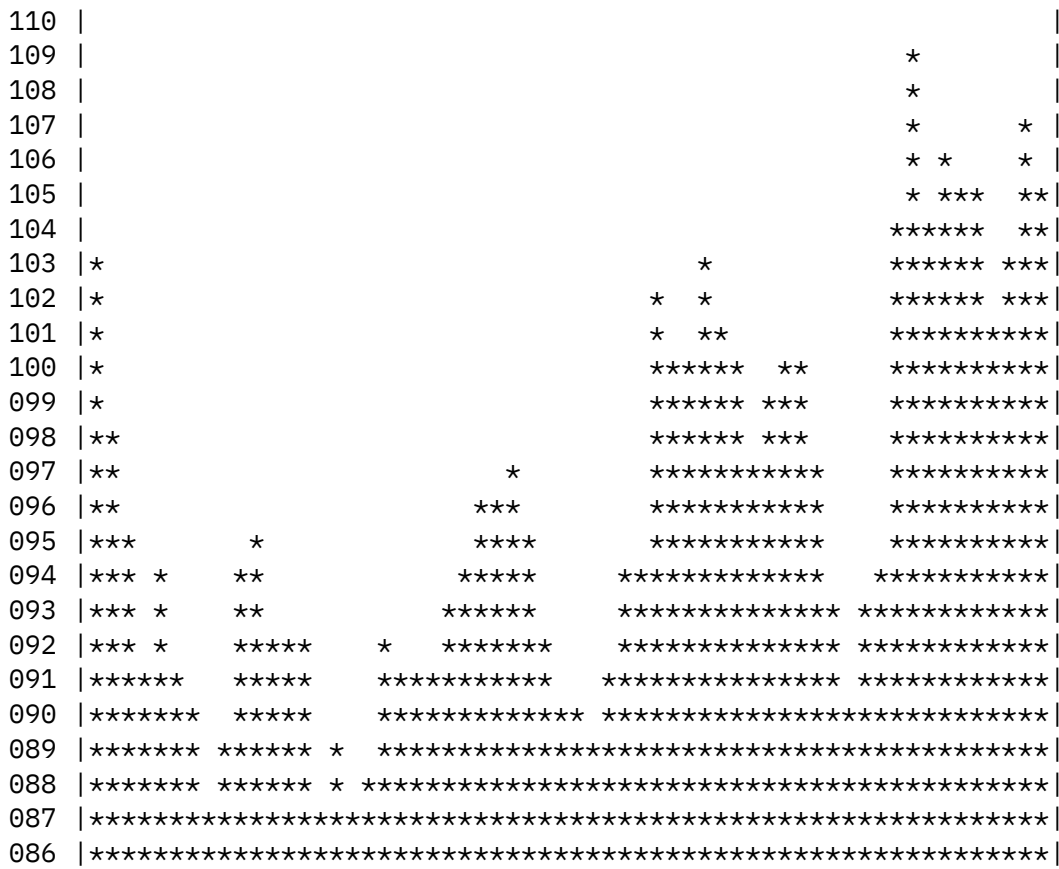


Chart Start: Day #284

GRAPHICAL ANALYSIS OF 90-DAY AVERAGE SOLAR FLUX

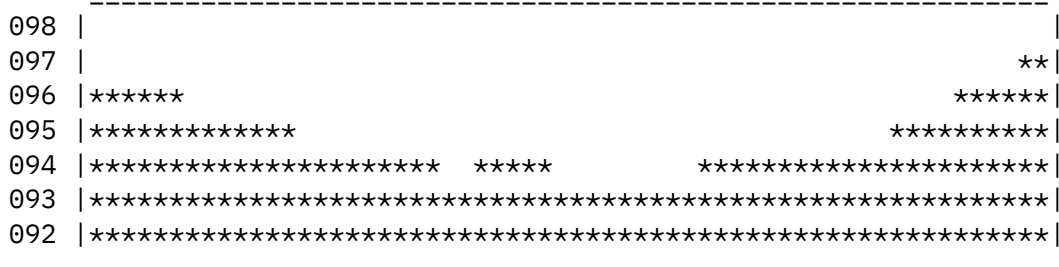


Chart Start: Day #284

NOTES:

The 10.7 cm solar radio flux is plotted from data reported by the Penticton Radio Observatory (formerly the ARO from Ottawa). High solar flux levels denote higher levels of activity and a greater number of sunspot groups on the Sun. The 90-day mean solar flux graph is charted from the 90-day mean of the 10.7 cm solar radio flux.

CUMULATIVE GRAPHICAL CHART OF SUNSPOT NUMBERS

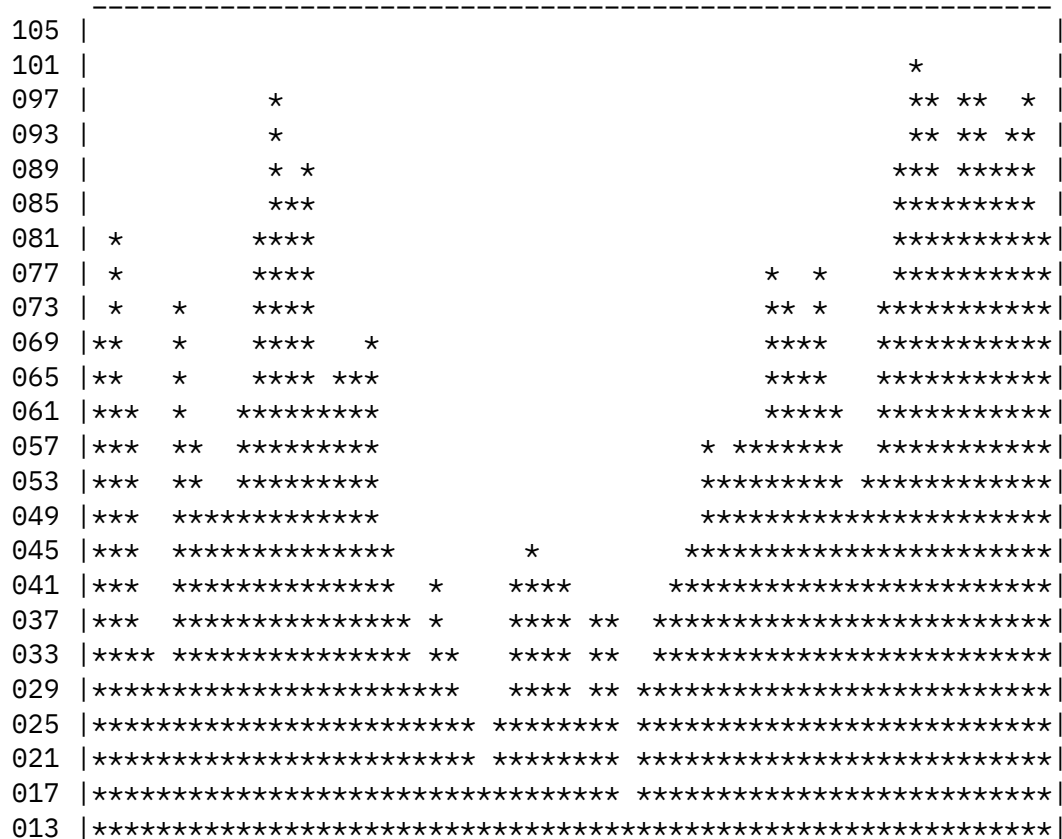


Chart Start: Day #283

NOTES:

The graphical chart of sunspot numbers is created from the daily sunspot number counts as reported by the SESC.

HF RADIO SIGNAL PROPAGATION PREDICTIONS (10 DEC - 19 DEC)

High Latitude Paths

CONFIDENCE LEVEL ----- 70%	EXTREMELY GOOD											
	VERY GOOD											
	GOOD											
	FAIR	***	***	***	***	***	***	*	*	**	***	
	POOR								*	*	*	*
	VERY POOR											
	EXTREMELY POOR											

PROPAGATION QUALITY		Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	
		Given in 8 Local-Hour Intervals										

Middle Latitude Paths

CONFIDENCE LEVEL ----- 65%	EXTREMELY GOOD											
	VERY GOOD											
	GOOD	***	***	***	***	***	***	**	**	***	***	
	FAIR							*	*			
	POOR											
	VERY POOR											
	EXTREMELY POOR											

PROPAGATION QUALITY		Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	
		Given in 8 Local-Hour Intervals										

Low Latitude Paths

CONFIDENCE LEVEL ----- 75%	EXTREMELY GOOD											
	VERY GOOD											
	GOOD	***	***	***	***	***	***	***	***	***	***	***
	FAIR											
	POOR											
	VERY POOR											
	EXTREMELY POOR											
-----		-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	PROPAGATION	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	
	QUALITY	Given in 8 Local-Hour Intervals										

NOTES:

NORTHERN HEMISPHERE

High latitudes ≥ 55 deg. N.
 Middle latitudes $\geq 40 < 55$ deg. N.
 Low latitudes < 40 deg. N.

SOUTHERN HEMISPHERE

High latitudes ≥ 55 deg. S.
 Middle latitudes $\geq 30 < 55$ deg. S.
 Low latitudes < 30 deg. S.

POTENTIAL VHF DX PROPAGATION PREDICTIONS (10 DEC - 19 DEC)
INCLUDES SID AND AURORAL BACKSCATTER ENHANCEMENT PREDICTIONS

HIGH LATITUDES

FORECAST	Given in 8 hour local time intervals										SWF/SID ENHANCEMENT
CONFIDENCE	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	F S S M T W T F S S
											- - - - - - - - - -
0%	***	***	***	***	***	***	***	***	***	***	0% * * * * * * * * * *
20%	***	***	***	***	***	***	***	***	***	***	20% * * * * * * * * * *
40%	***	***	***	***	***	***	***	***	***	***	40%
60%	*	*	*	*	*	*	*	*	*	*	60%
80%											80%
100%											100%
=====	===	===	===	===	===	===	===	===	===	===	-----
100%											100%
80%											80%
60%											60%
40%	*	*	*	*	*	*	*	*	*	*	40%
20%	***	***	***	***	***	***	***	***	***	***	20% * *
0%	***	***	***	***	***	***	***	***	***	***	0% * * * * * * * * * *
-----	---	---	---	---	---	---	---	---	---	---	- - - - - - - - - -
CHANCE OF	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	F S S M T W T F S S
VHF DX	Given in 8 hour local time intervals										AURORAL BACKSCATTER

MIDDLE LATITUDES

FORECAST	Given in 8 hour local time intervals										SWF/SID ENHANCEMENT
CONFIDENCE	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	F S S M T W T F S S
											- - - - - - - - - -
0%	***	***	***	***	***	***	***	***	***	***	0% * * * * * * * * * *
20%	***	***	***	***	***	***	***	***	***	***	20% * * * * * * * * * *
40%	***	***	***	***	***	***	***	***	***	***	40%
60%	***	***	***	***	***	***	**	**	***	***	60%
80%											80%
100%											100%
=====	===	===	===	===	===	===	===	===	===	===	-----
100%											100%
80%											80%
60%											60%
40%	**	**	**	**	**	**	*	*	**	**	40%
20%	***	***	***	***	***	***	***	***	***	***	20% *
0%	***	***	***	***	***	***	***	***	***	***	0% * * * * * * * * * *
-----	---	---	---	---	---	---	---	---	---	---	- - - - - - - - - -
CHANCE OF	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	F S S M T W T F S S

VHF DX	Given in 8 hour local time intervals	AURORAL BACKSCATTER
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LOW LATITUDES

FORECAST	Given in 8 hour local time intervals									SWF/SID ENHANCEMENT											
CONFIDENCE	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	F	S	S	M	T	W	T	F	S	S	
-----	___	___	___	___	___	___	___	___	___	___	-	-	-	-	-	-	-	-	-	-	
0%	***	***	***	***	***	***	***	***	***	***	0%	*	*	*	*	*	*	*	*	*	
20%	***	***	***	***	***	***	***	***	***	***	20%	*	*	*	*	*	*	*	*	*	
40%	***	***	***	***	***	***	***	***	***	***	40%										
60%	***	***	***	***	***	***	***	***	***	***	60%										
80%											80%										
100%											100%										
=====	===	===	===	===	===	===	===	===	===	===		-----									
100%											100%										
80%											80%										
60%	*	*	*	*	*	*	*	*	*	*	60%										
40%	***	***	***	***	***	***	***	***	***	***	40%										
20%	***	***	***	***	***	***	***	***	***	***	20%										
0%	***	***	***	***	***	***	***	***	***	***	0%	*	*	*	*	*	*	*	*	*	
-----	---	---	---	---	---	---	---	---	---	---		-	-	-	-	-	-	-	-	-	
CHANCE OF	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun		F	S	S	M	T	W	T	F	S	S
VHF DX	Given in 8 hour local time intervals									AURORAL BACKSCATTER											

NOTES:

These VHF DX prediction charts are defined for the 30 MHz to 220 MHz bands. They are based primarily on phenomena which can affect VHF DX propagation globally. They should be used only as a guide to potential DX conditions on VHF bands. Latitudinal boundaries are the same as those for the HF predictions charts.

AURORAL ACTIVITY PREDICTIONS (10 DEC - 19 DEC)

High Latitude Locations

CONFIDENCE LEVEL ----- 70%	EXTREMELY HIGH											
	VERY HIGH											
	HIGH											
	MODERATE					*	***	*	*			
	LOW	***	***	***	***	***	***	***	***	***	***	***
	NOT VISIBLE	***	***	***	***	***	***	***	***	***	***	***
	-----	---	---	---	---	---	---	---	---	---	---	---
	AURORAL	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	
	INTENSITY	Eve.Twilight/Midnight/Morn.Twilight										

Middle Latitude Locations

CONFIDENCE LEVEL ----- 75%	EXTREMELY HIGH											
	VERY HIGH											
	HIGH											
	MODERATE											
	LOW						*					
	NOT VISIBLE	***	***	***	***	***	***	***	***	***	***	***
	-----	---	---	---	---	---	---	---	---	---	---	---
	AURORAL	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	
	INTENSITY	Eve.Twilight/Midnight/Morn.Twilight										

Low Latitude Locations

CONFIDENCE LEVEL ----- 90%	EXTREMELY HIGH											
	VERY HIGH											
	HIGH											
	MODERATE											
	LOW											
	NOT VISIBLE	***	***	***	***	***	***	***	***	***	***	***
	-----	---	---	---	---	---	---	---	---	---	---	---
	AURORAL	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	
	INTENSITY	Eve.Twilight/Midnight/Morn.Twilight										

NOTE:

Version 2.00b of our Professional Dynamic Auroral Oval Simulation Software Package is now available. This professional software is particularly valuable to radio communicators, aurora photographers, educators, and astronomers. For more information regarding this software, contact: "Oler@Rho.Uleth.CA", or "COler@Solar.Stanford.Edu".

For more information regarding these charts, send a request for the document, "Understanding Solar Terrestrial Reports" to: "Oler@Rho.Uleth.Ca" or to: "COler@Solar.Stanford.Edu". This document, as well as others and related data/forecasts exist on the STD BBS at: (403) 756-3008.

** End of Report **

Date: 8 Dec 1993 22:22:31 GMT
From: munnari.oz.au!sgiblab!sgigate.sgi.com!olivea!hal.com!darkstar.UCSC.EDU!
cats.ucsc.edu!haynes@network.ucsd.edu
To: info-hams@ucsd.edu

References <2e26th\$e1s@nntpd.lkg.dec.com>, <gregCHooL3.Jt7@netcom.com>,
<1993Dec8.192104.23873@TorreyPinesCA.ncr.com>ynes
Subject : Re: Scratchi, January, 1960

Just to point out that the Scratchi column was controversial during the
time it was being published too. I distinctly remember an exchange of
letters to the editor arguing over the point.

Anyone remember the "Heinrich Schnibble" items from Saturday Evening Post of
the same period?

--

haynes@cats.ucsc.edu
haynes@cats.bitnet

"Ya can talk all ya wanna, but it's dif'rent than it was!"
"No it aint! But ya gotta know the territory!"
Meredith Willson: "The Music Man"

End of Info-Hams Digest V93 #1454

